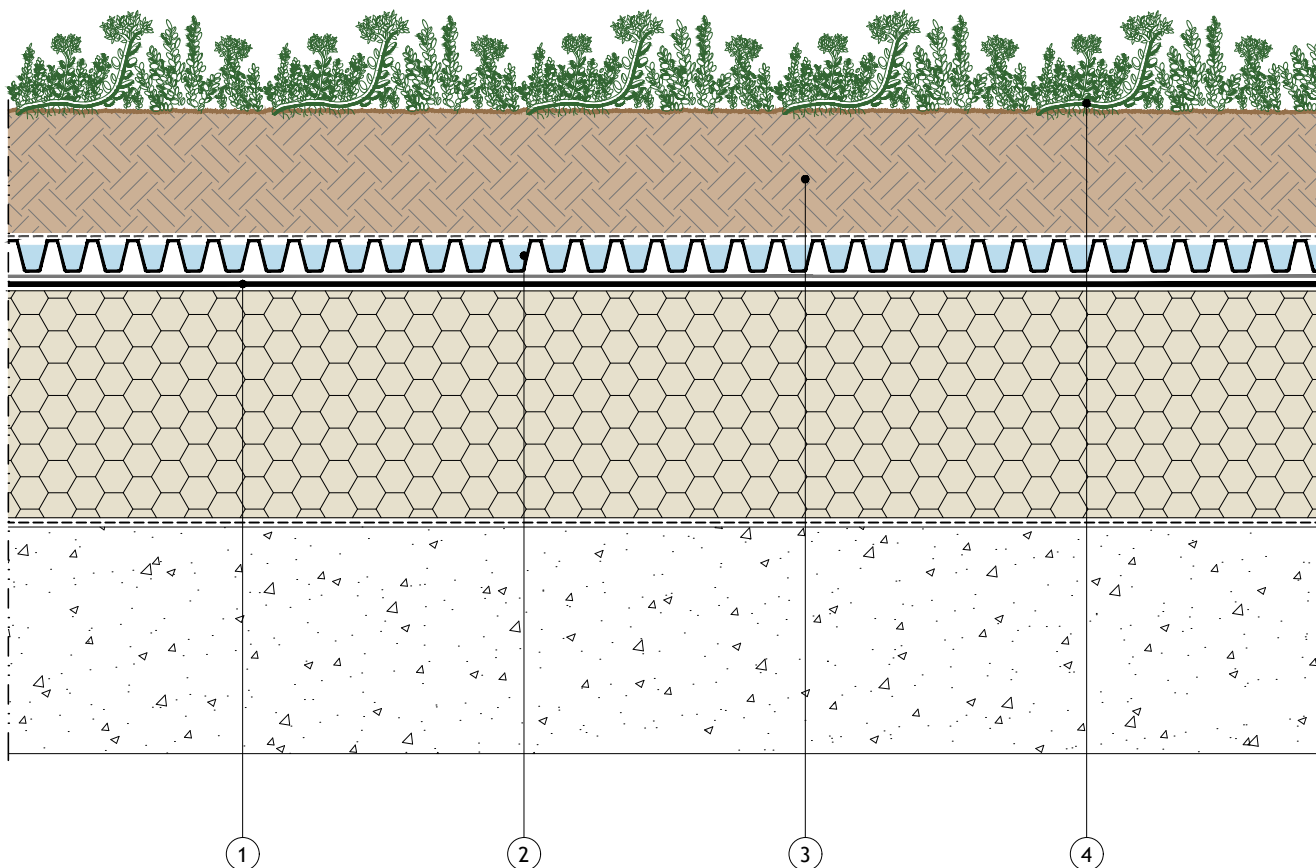




Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Extensive Substrate.
4. Blackdown Extensive Planting, as specified by the appointed landscape consultant.

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ROOF & PODIUM LANDSCAPING
By Alumasc Roofing

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info@alumascroofing.com
www.alumascroofing.com

Title:
**Extensive Green Roof - Warm
Typical Roof Build-Up**

Drawing No:
BLK W 01 01

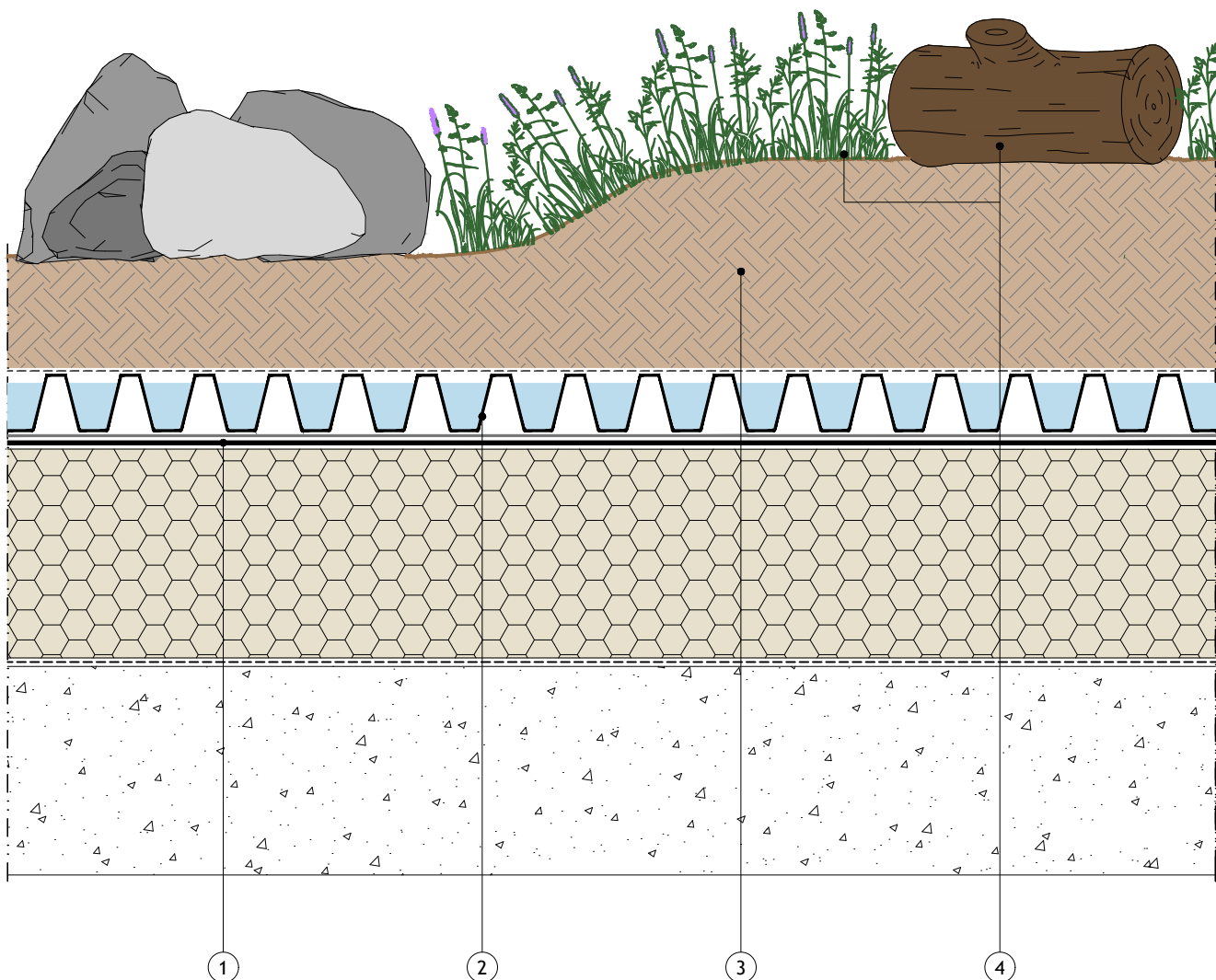
Scale:
Not to Scale

Revision:
B

Date:
January 2026

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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 40 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Biodiverse Substrate typically mounding between 80mm to 150mm.
4. Blackdown Wildflower Planting, as specified by the appointed landscape consultant.
Habitat incidentals i.e. piles of cobble/stone and or logs.

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Title:
Biodiverse Green Roof - Warm
Typical Roof Build-Up

Drawing No:
BLK W 01 02

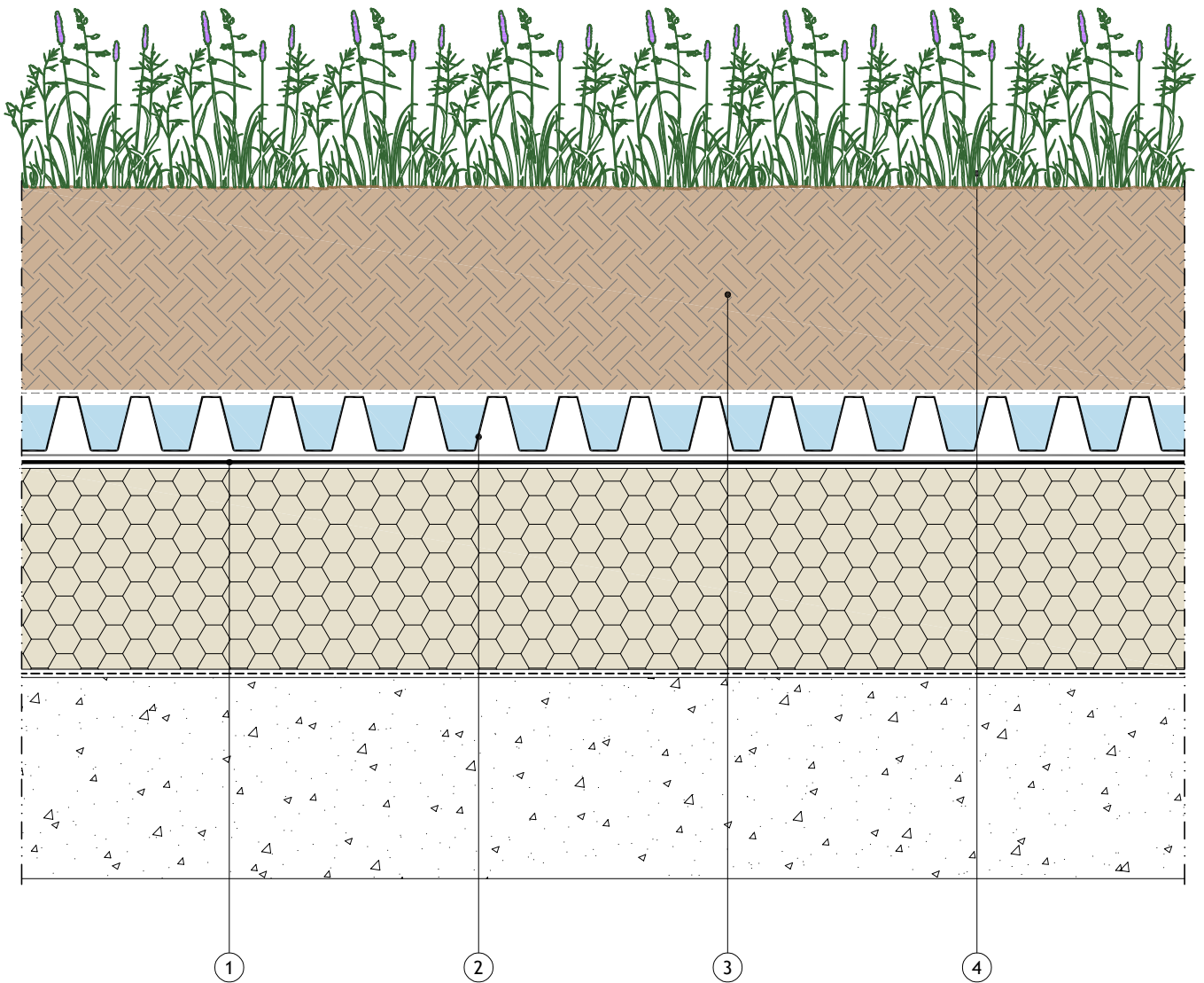
Scale:
Not to Scale

Revision:
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 40 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Biodiverse Substrate.
4. Blackdown Wildflower Planting, as specified by the appointed landscape consultant.

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Title:
Extensive Wildflower Green Roof - Warm
Typical Roof Build-Up

Drawing No:
BLK W 01 03

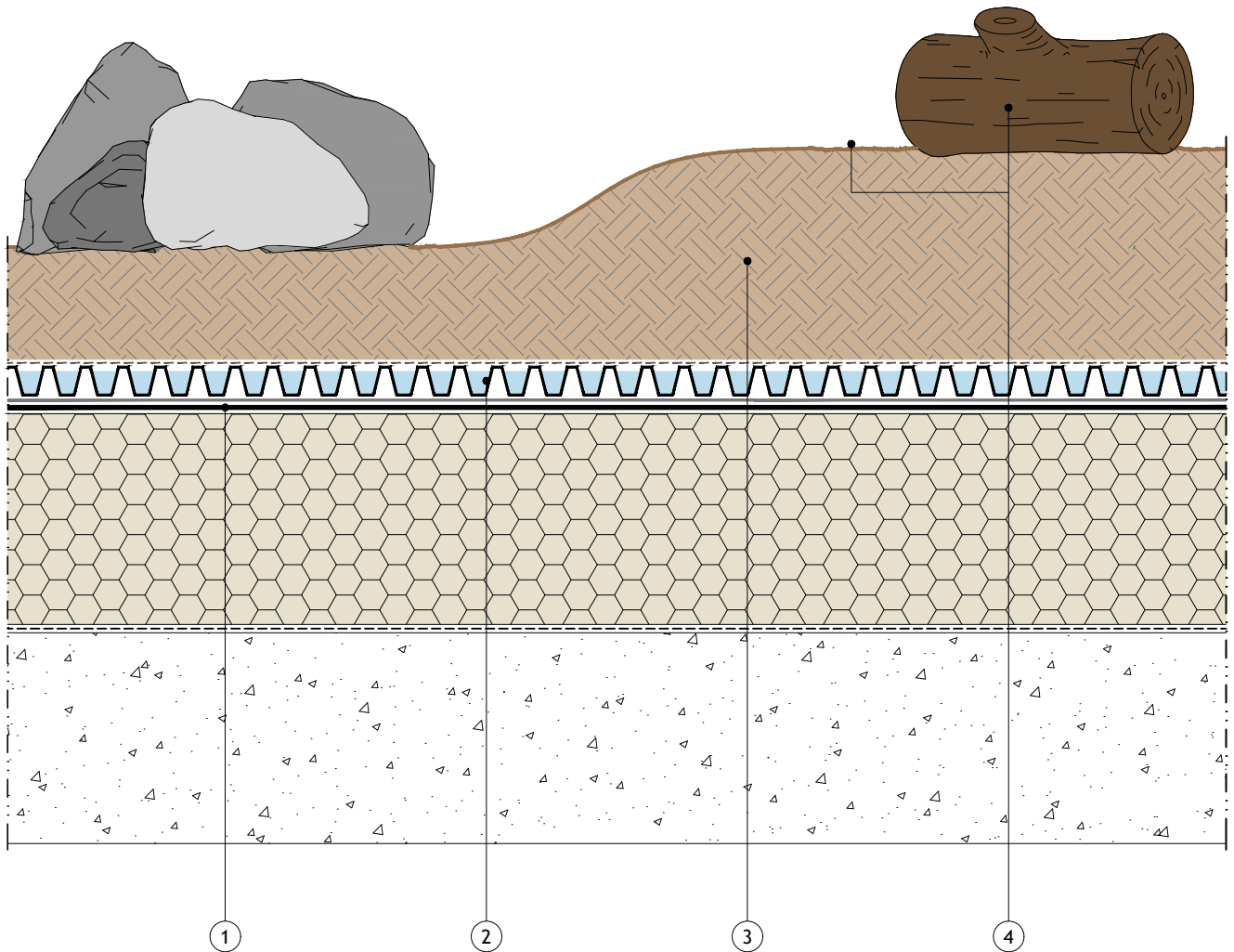
Scale:
Not to Scale

Revision:
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Date:
May 2026

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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Biodiverse Substrate typically mounding between 80mm to 150mm.
4. No planting installed.
Habitat incidentals i.e. piles of cobble/stone and or logs.

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Title:
Brown Roof - Warm
Typical Roof Build-Up

Drawing No:
BLK W 01 04

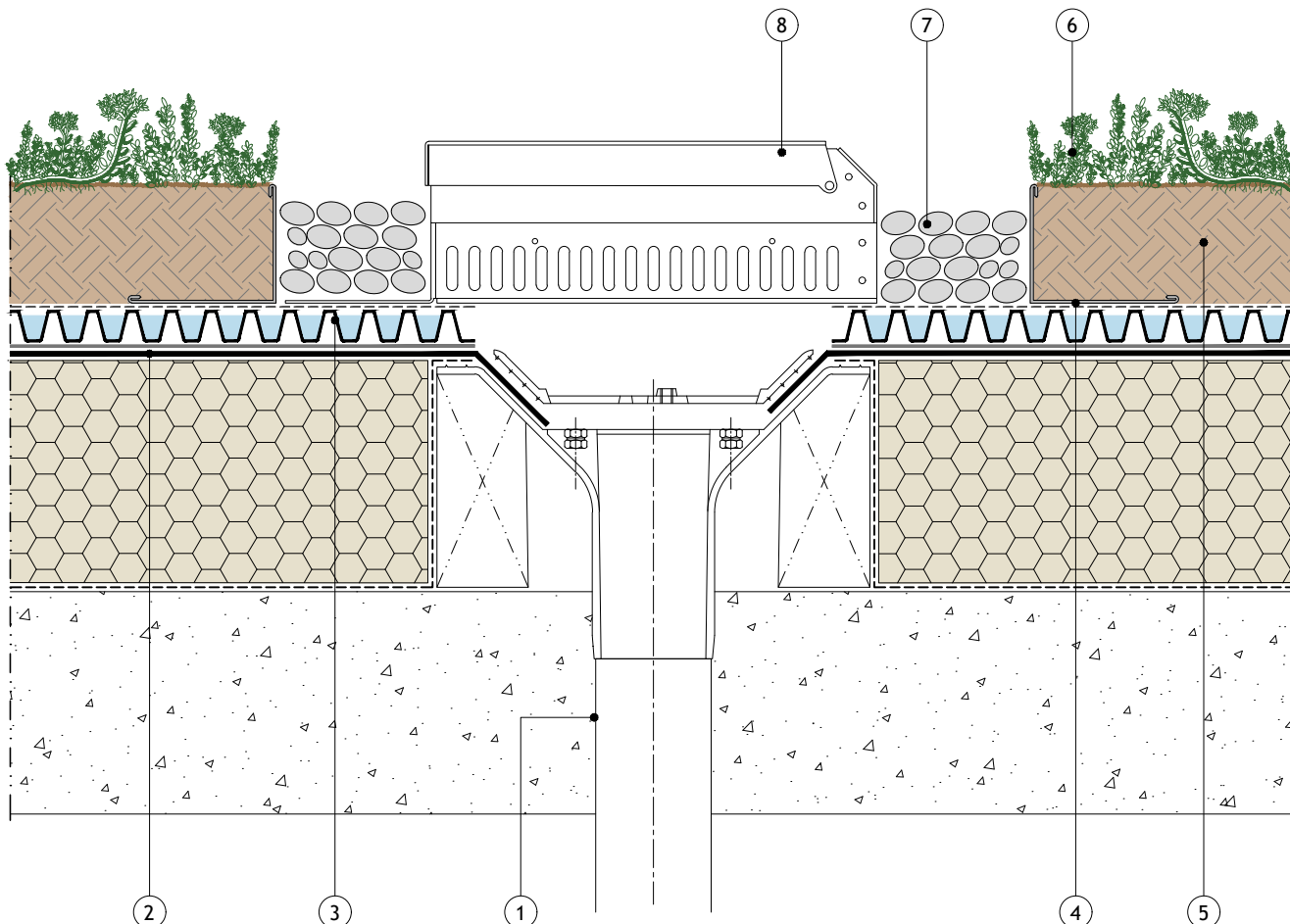
Scale:
Not to Scale

Revision:
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January 2026

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Section Key:

1. Drainage outlet, by others.
2. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
3. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
4. Blackdown Retention Angle, metal edging to suit substrate depth.
5. Blackdown Extensive Substrate.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
7. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.
8. Blackdown Inspection Chamber, size to suit substrate depth.

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Title:

Extensive Green Roof - Warm
Rainwater Outlet

Drawing No:
BLK W 02 01

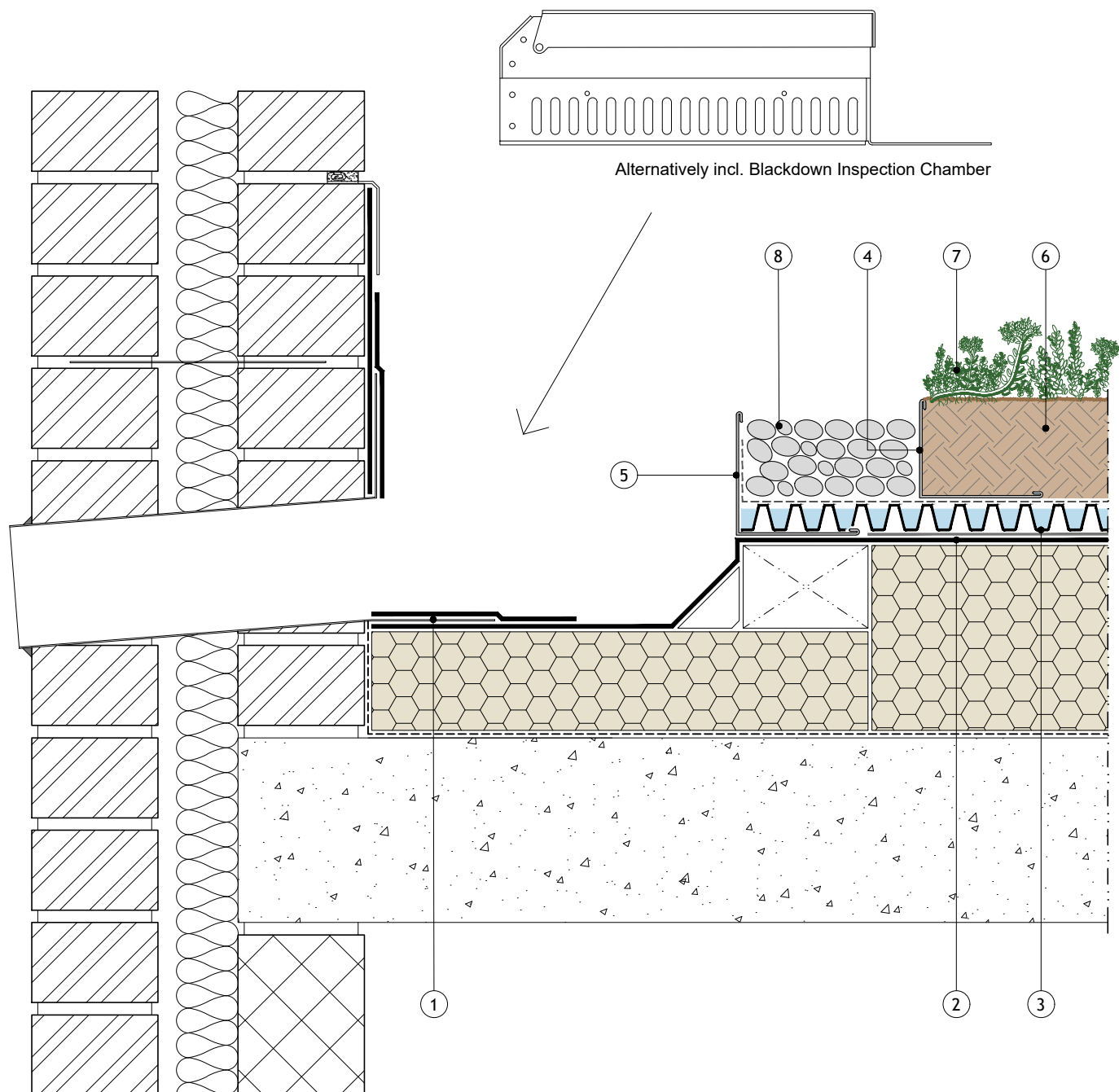
Scale:
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Revision:
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Section Key:

1. Chute outlet, by others.
2. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
3. Blackdown 25 3-1 Drainage Layer.
 - Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
4. Blackdown Retention Angle, metal edging to suit substrate depth.
5. Blackdown Perforated Retention Angle, metal edging to suit substrate depth.
 - The retention angle is to be secured in place using separate flashings of the specified waterproofing.
6. Blackdown Extensive Substrate.
7. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
8. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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Title:
 Extensive Green Roof - Warm
 Rainwater Chute

Drawing No:
 BLK W 02 02

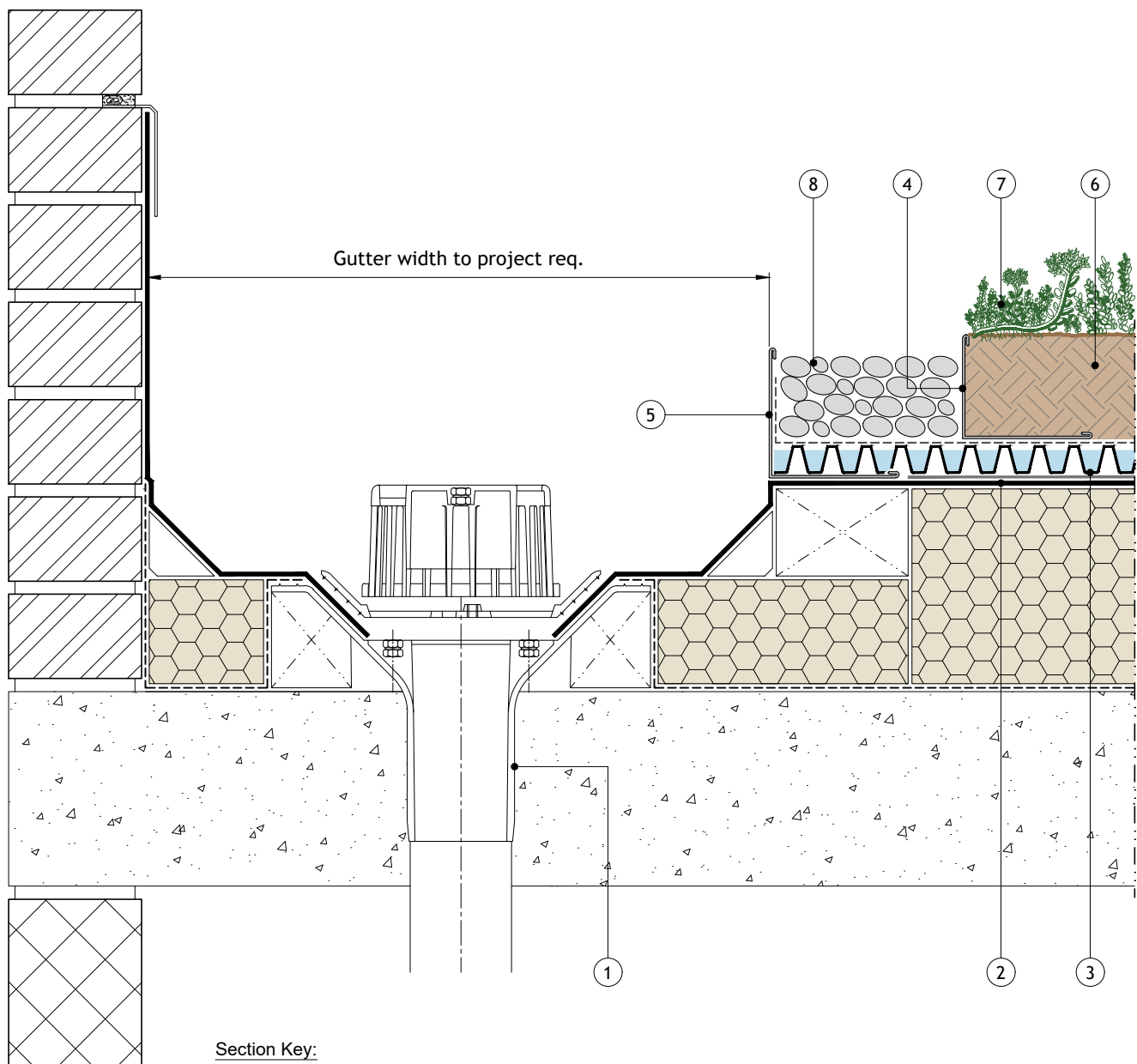
Scale:
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Revision:
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Section Key:

1. Drainage outlet, by others.
2. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
3. Blackdown 25 3-1 Drainage Layer.
 - Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
4. Blackdown Retention Angle, metal edging to suit substrate depth.
5. Blackdown Perforated Retention Angle, metal edging to suit substrate depth.
 - The retention angle is to be secured in place using separate flashings of the specified waterproofing.
6. Blackdown Extensive Substrate.
7. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
8. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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Title:
 Extensive Green Roof - Warm
 Rainwater Outlet to Parapet Gutter

Drawing No:
 BLK W 02 03

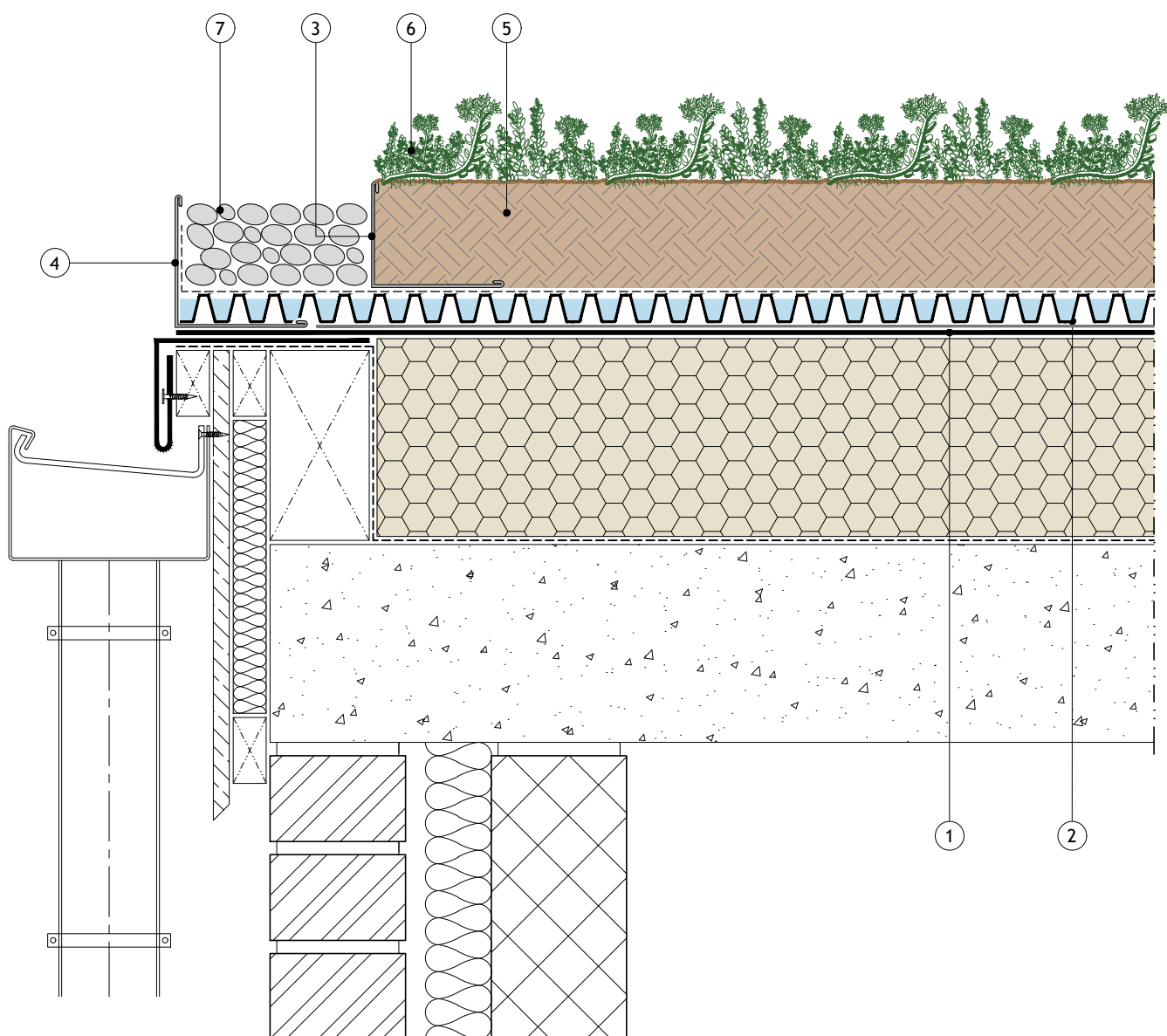
Scale:
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Perforated Retention Angle, metal edging to suit substrate depth.
- The retention angle is to be secured in place using separate flashings of the specified waterproofing.
5. Blackdown Extensive Substrate.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
7. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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Title:
Extensive Green Roof - Warm
External Gutter

Drawing No:
BLK W 02 04

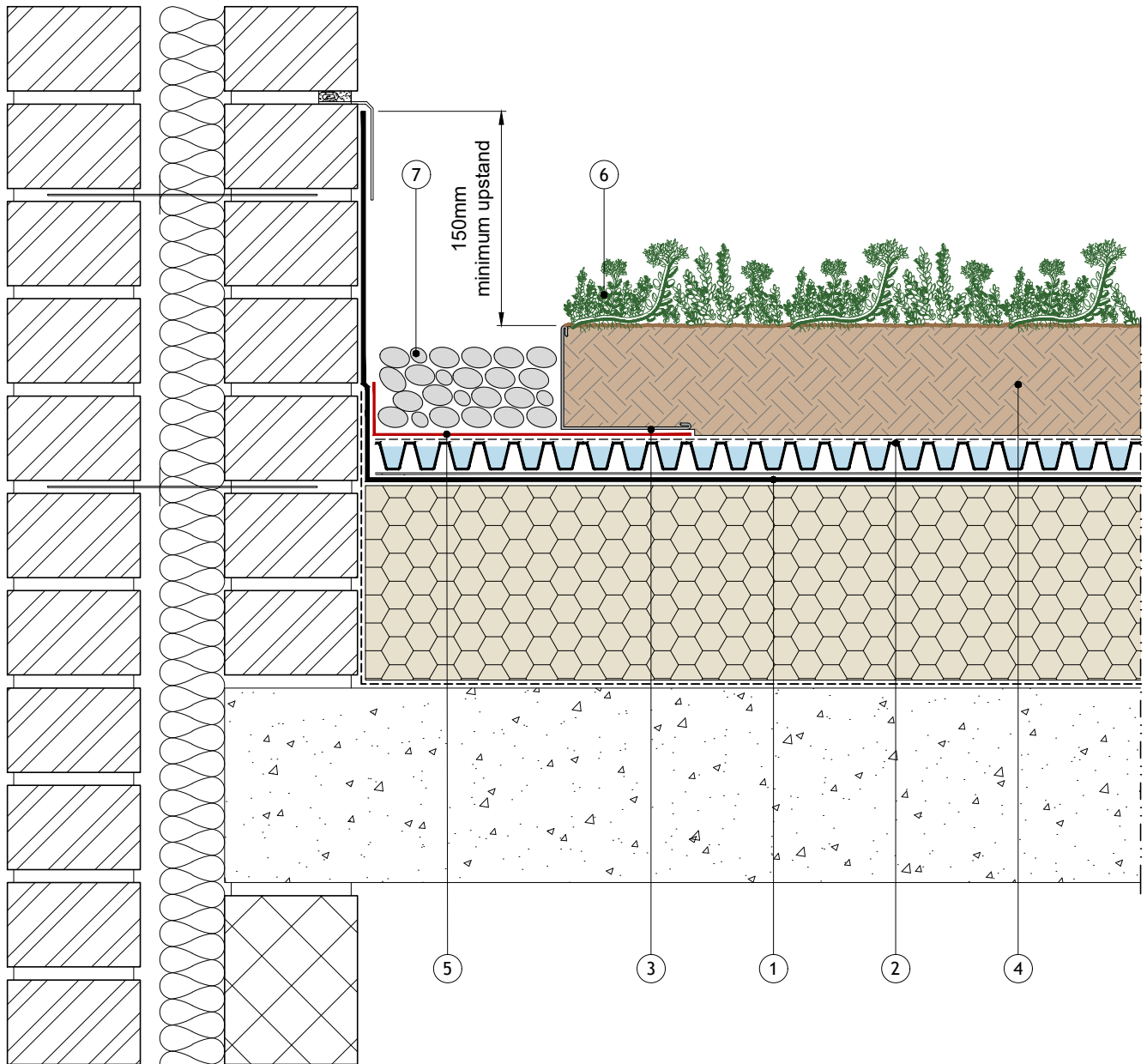
Scale:
Not to Scale

Revision:
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Extensive Substrate.
5. Blackdown Upstand Fleece.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
7. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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Title:

Extensive Green Roof - Warm
Abutment to Parapet

Drawing No:

BLK W 03 01

Scale:

Not to Scale

Revision:

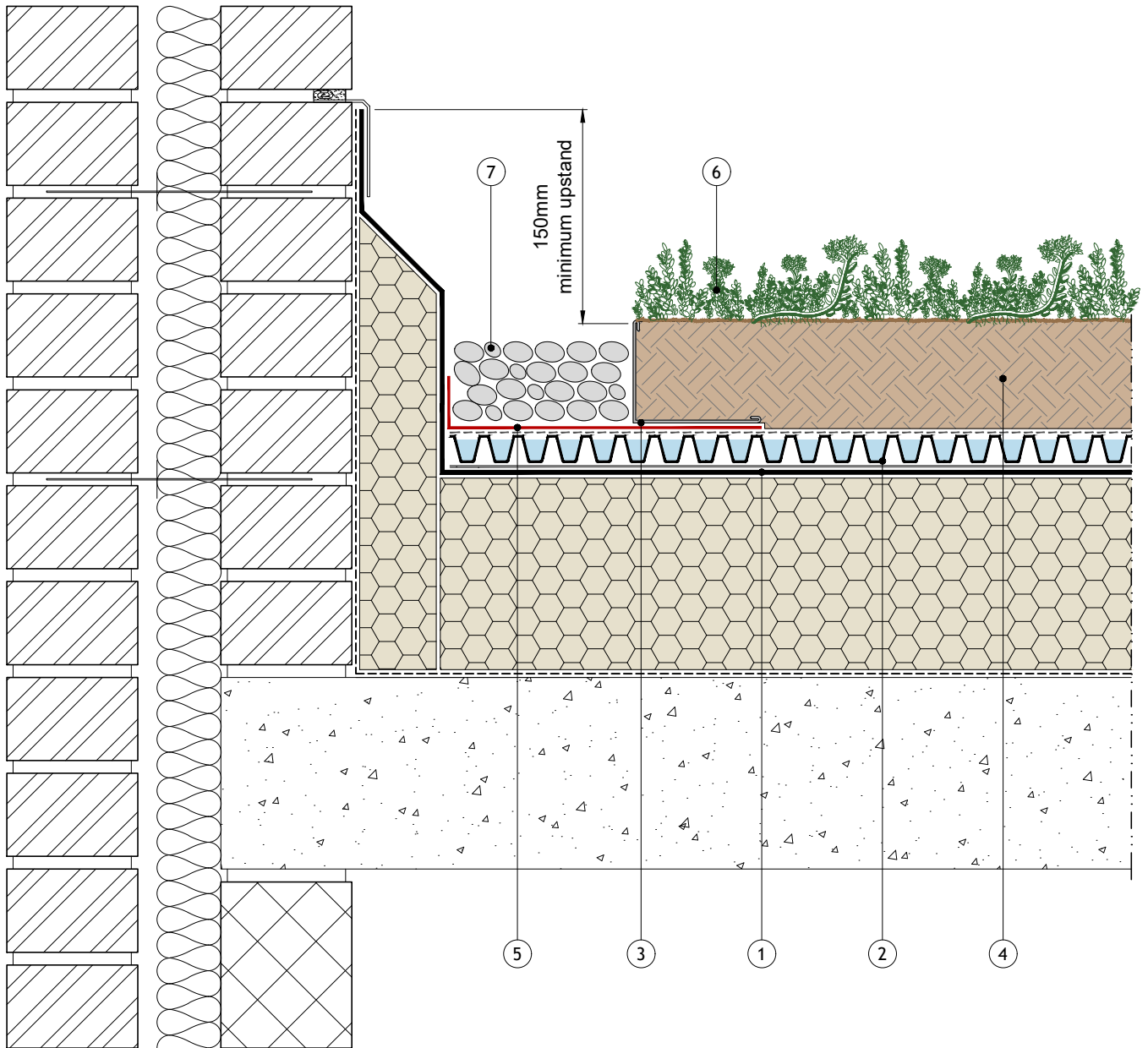
B

Date:

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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Extensive Substrate.
5. Blackdown Upstand Fleece.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
7. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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Title:
**Extensive Green Roof - Warm
Insulated Abutment to Parapet**

Drawing No:
BLK W 03 02

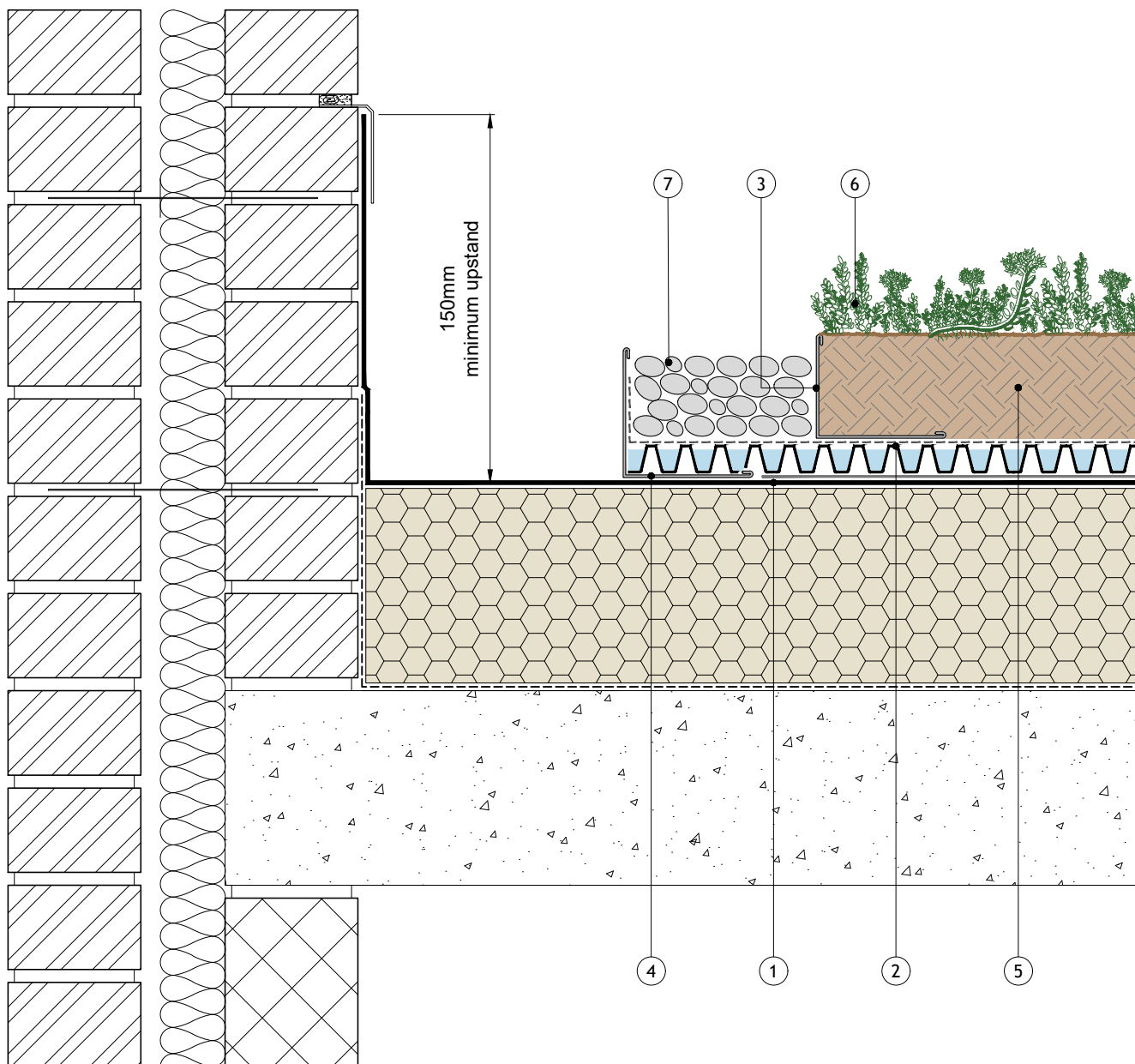
Scale:
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Perforated Retention Angle, metal edging to suit substrate depth.
- The retention angle is to be secured in place using separate flashings of the specified waterproofing.
5. Blackdown Extensive Substrate.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
7. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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www.alumascroofing.com

Title:
Extensive Green Roof - Warm
Abutment to Parapet GR S/Back

Drawing No:
BLK W 03 03

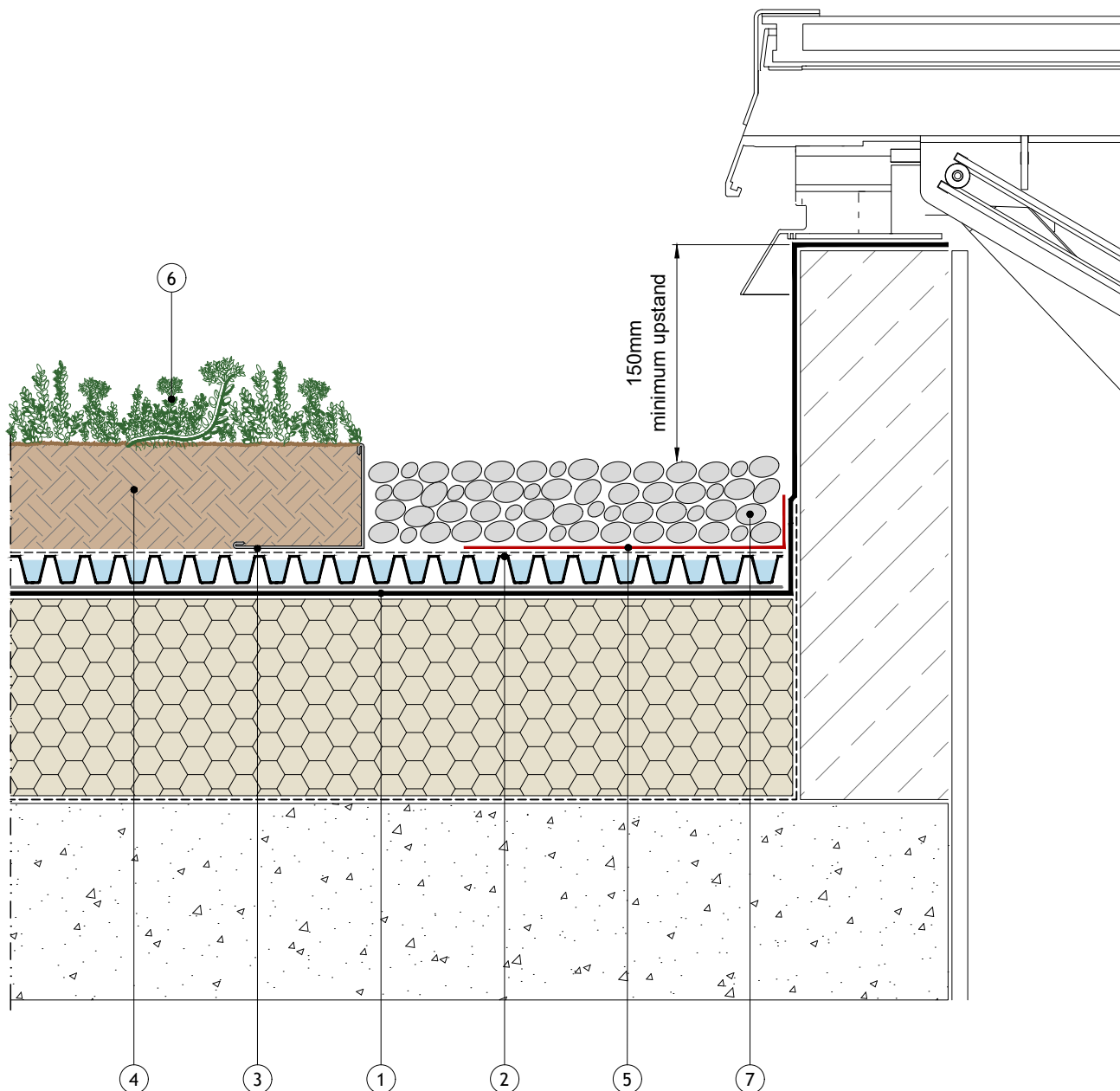
Scale:
Not to Scale

Revision:
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Extensive Substrate.
5. Blackdown Upstand Fleece.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
7. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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Title:
**Extensive Green Roof - Warm
Abutment to Roof Opening**

Drawing No:
BLK W 03 04

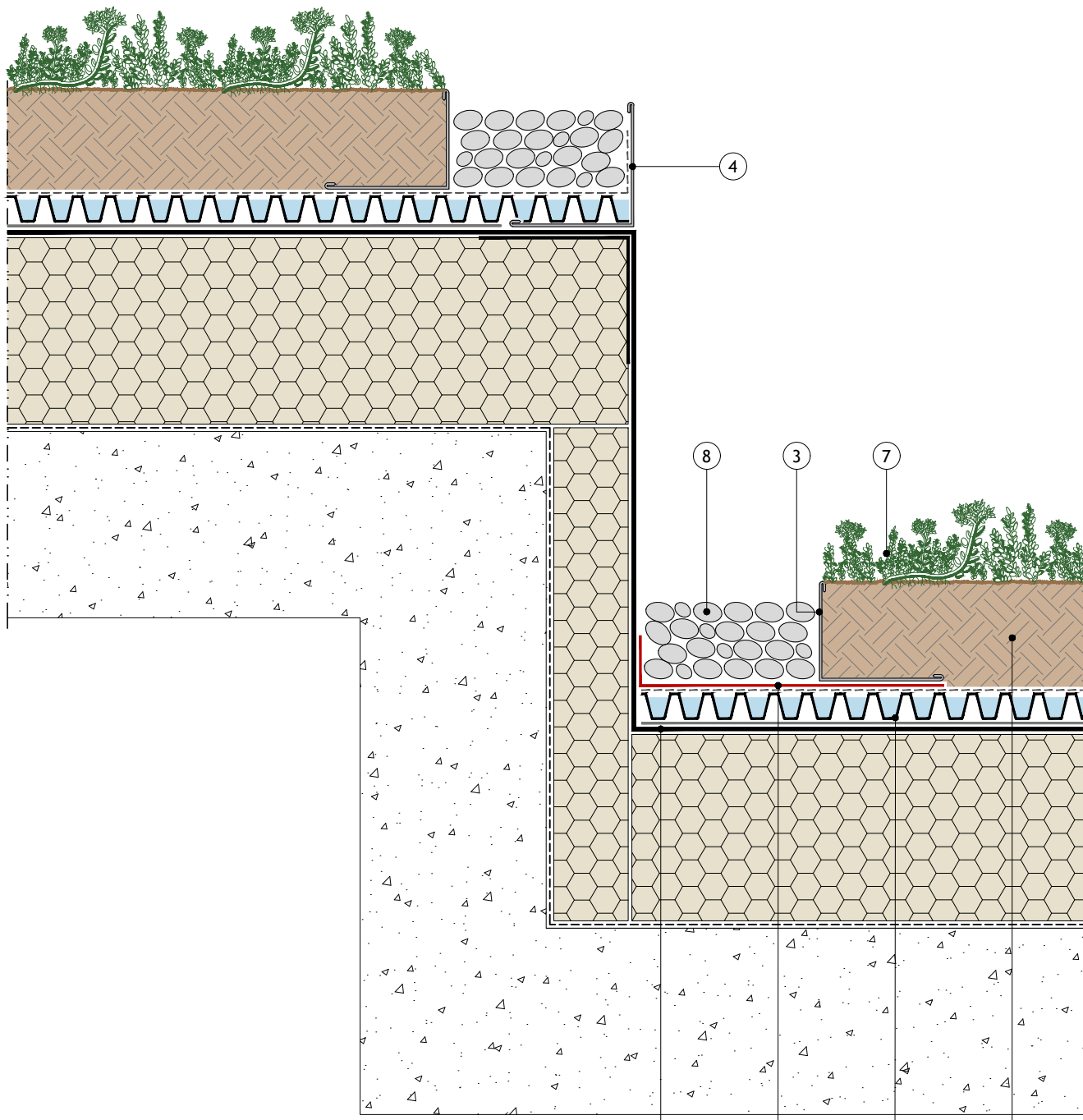
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Perforated Retention Angle, metal edging to suit substrate depth.
- The retention angle is to be secured in place using separate flashings of the specified waterproofing.
5. Blackdown Extensive Substrate.
6. Blackdown Upstand Fleece.
7. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
8. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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www.alumascroofing.com

Title:

Extensive Green Roof - Warm
Change in Level

Drawing No:

BLK W 03 05

Scale:

Not to Scale

Revision:

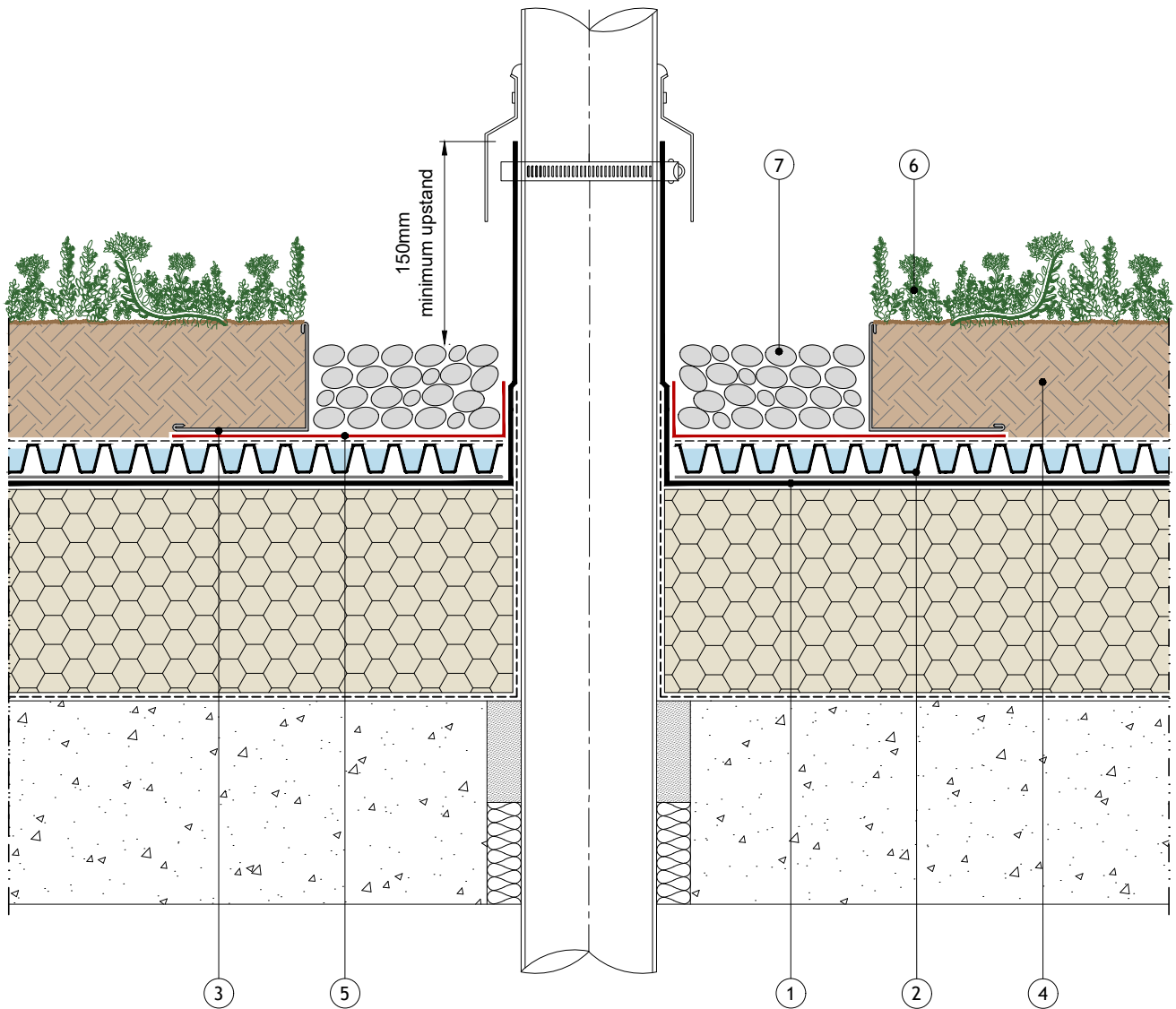
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Extensive Substrate.
5. Blackdown Upstand Fleece.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
7. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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www.alumascroofing.com

Title:
**Extensive Green Roof - Warm
Skirting to Cold Pipe**

Drawing No:
BLK W 04 01

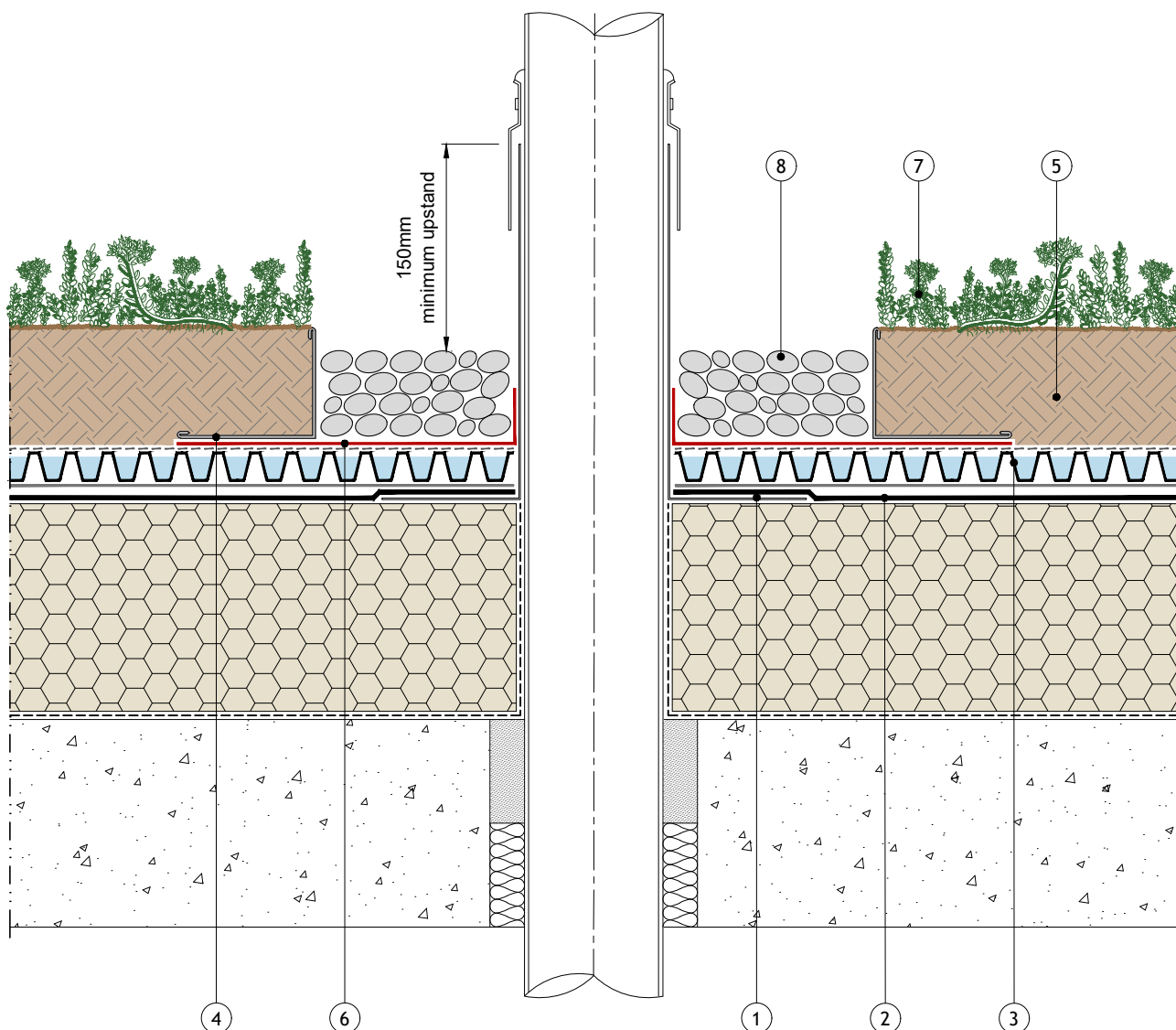
Revision:
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Scale:
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Section Key:

1. Sleeve, by others.
2. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
3. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
4. Blackdown Retention Angle, metal edging to suit substrate depth.
5. Blackdown Extensive Substrate.
6. Blackdown Upstand Fleece.
7. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
8. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

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By Alumasc Roofing

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www.alumascroofing.com

Title:
**Extensive Green Roof - Warm
Skirting to Cold Pipe with Sleeve**

Drawing No:
BLK W 04 02

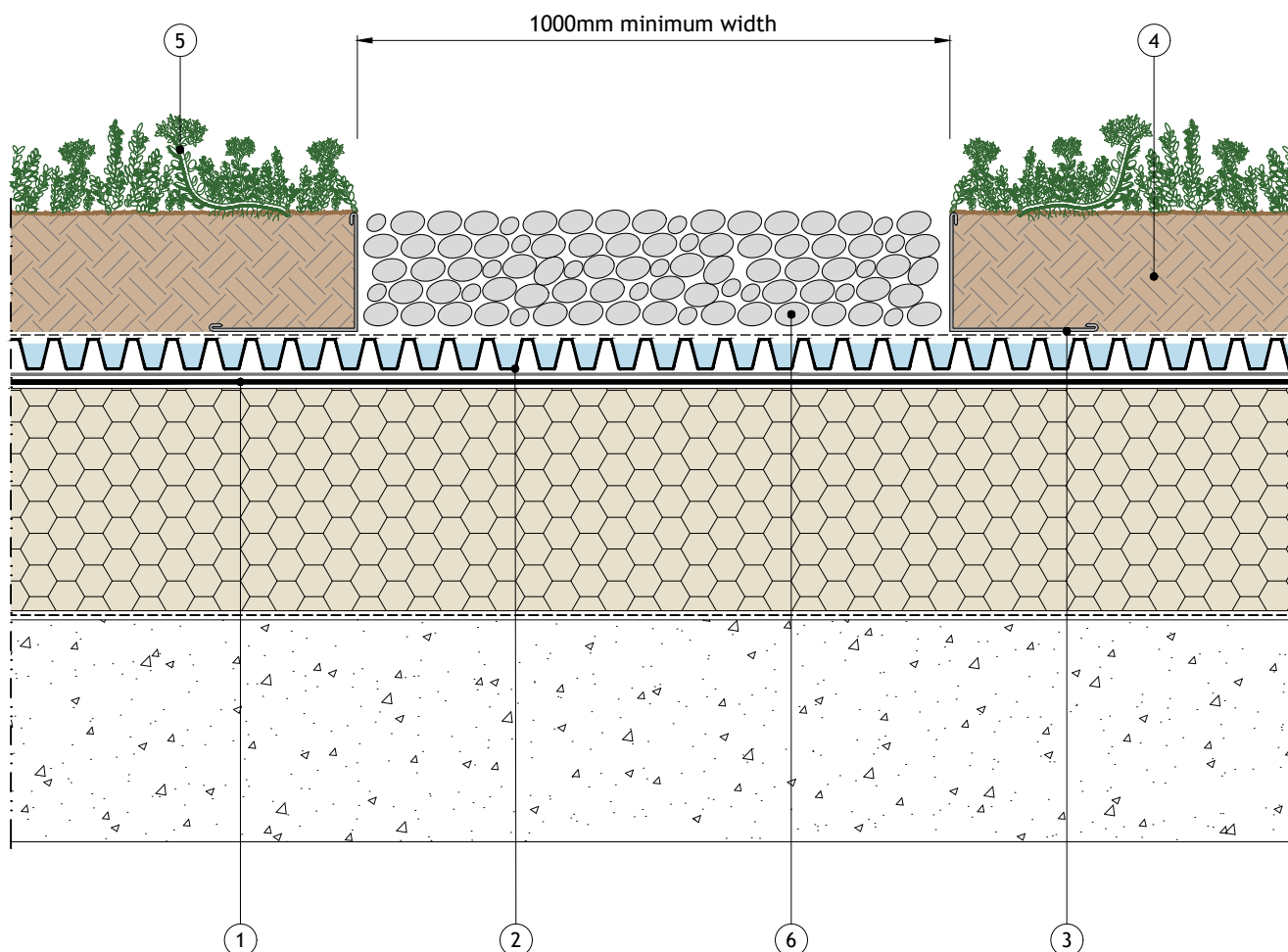
Scale:
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Revision:
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Extensive Substrate.
5. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
6. A 1m wide fire break should be installed across the roof every 40m comprising Blackdown Washed Ballast 20/40mm, or paving slabs.

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By Alumasc Roofing

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www.alumascroofing.com

Title:
**Extensive Green Roof - Warm
Fire Break**

Drawing No:
BLK W 05 01

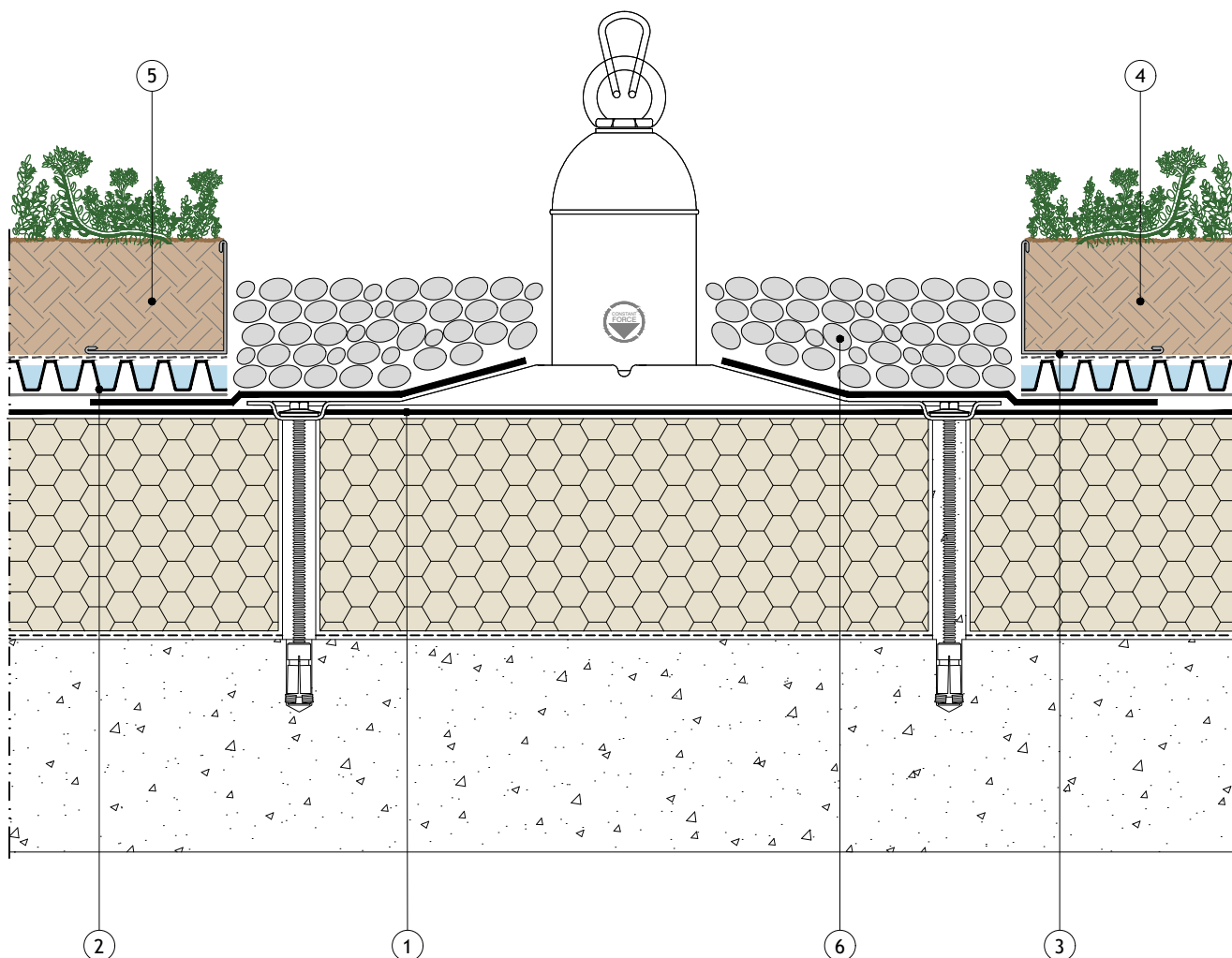
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown 25 3-1 Drainage Layer.
- Geocomposite drainage & water attenuation layer comprising a perforated cusped HDPE core with geotextiles bonded to each side.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Extensive Substrate.
5. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
6. Blackdown Washed Pebble Ballast 20/40mm fire break, installed to a minimum 1m width at every 40m on larger roofs.

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Title:
**Extensive Green Roof - Warm
Fall Arrest System**

Drawing No:
BLK W 05 02

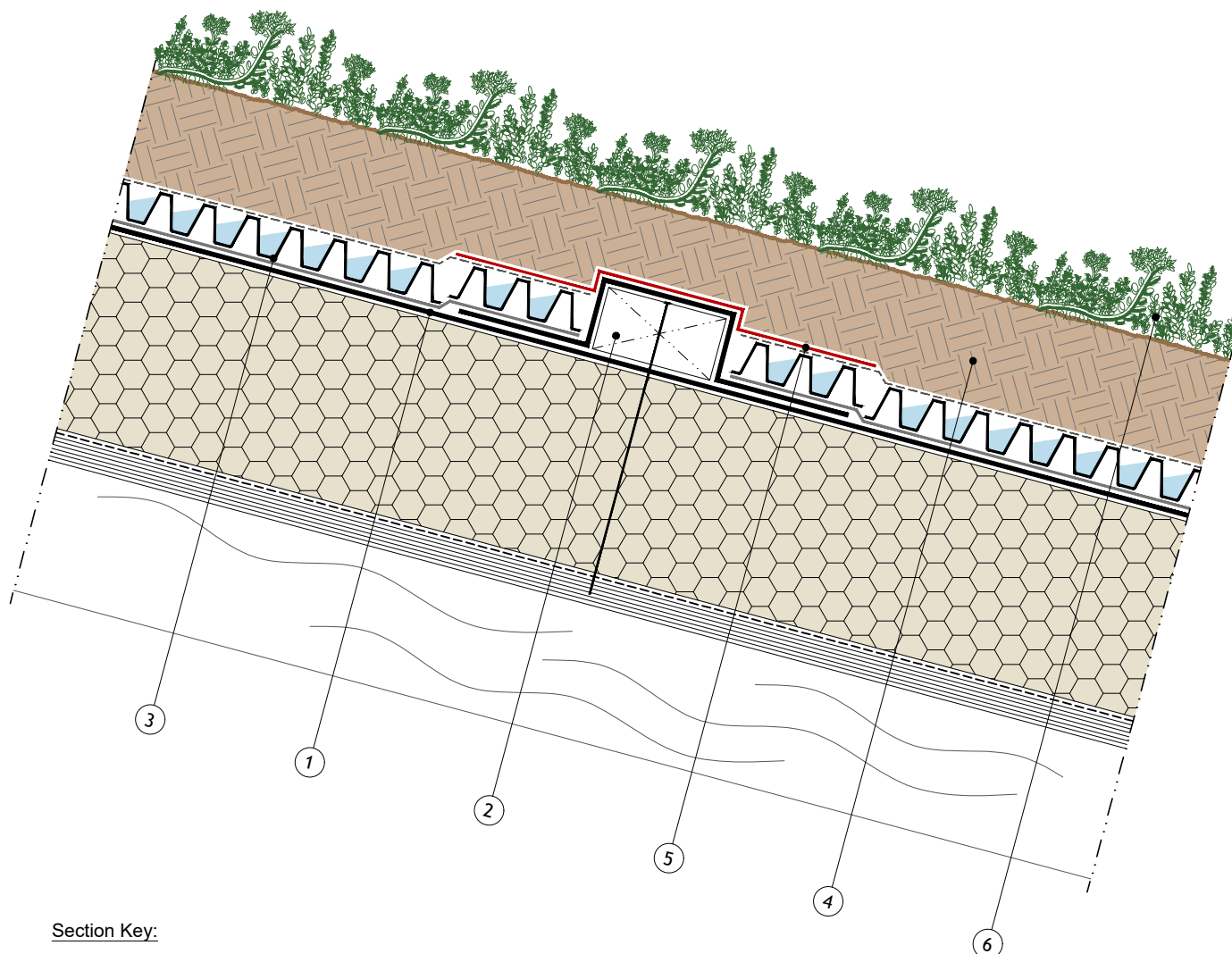
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Timber thrust batten, mechanically fixed to deck and fully encapsulated in waterproofing.
Allow for circa. 200mm drainage gap between every batten.
3. Blackdown Drainage Layer, type subject to the pitch of the roof.
4. Blackdown Extensive Substrate.
5. Blackdown Upstand Fleece.
6. Blackdown Extensive Planting, as specified by the appointed landscape consultant.

Timber thrust batten spacing is pitch dependant:

- 8 to <15° every 3-4m
- 15 to <20° every 2-3m

N.B. Anti-shear measures are designed to suit the individual waterproofing system employed, contact Alumasc Roofing for further guidance.

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By Alumasc Roofing

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info@alumascroofing.com
www.alumascroofing.com

Title:
Extensive Green Roof - Warm
Pitch up to 20°

Drawing No:
BLK W 06 01

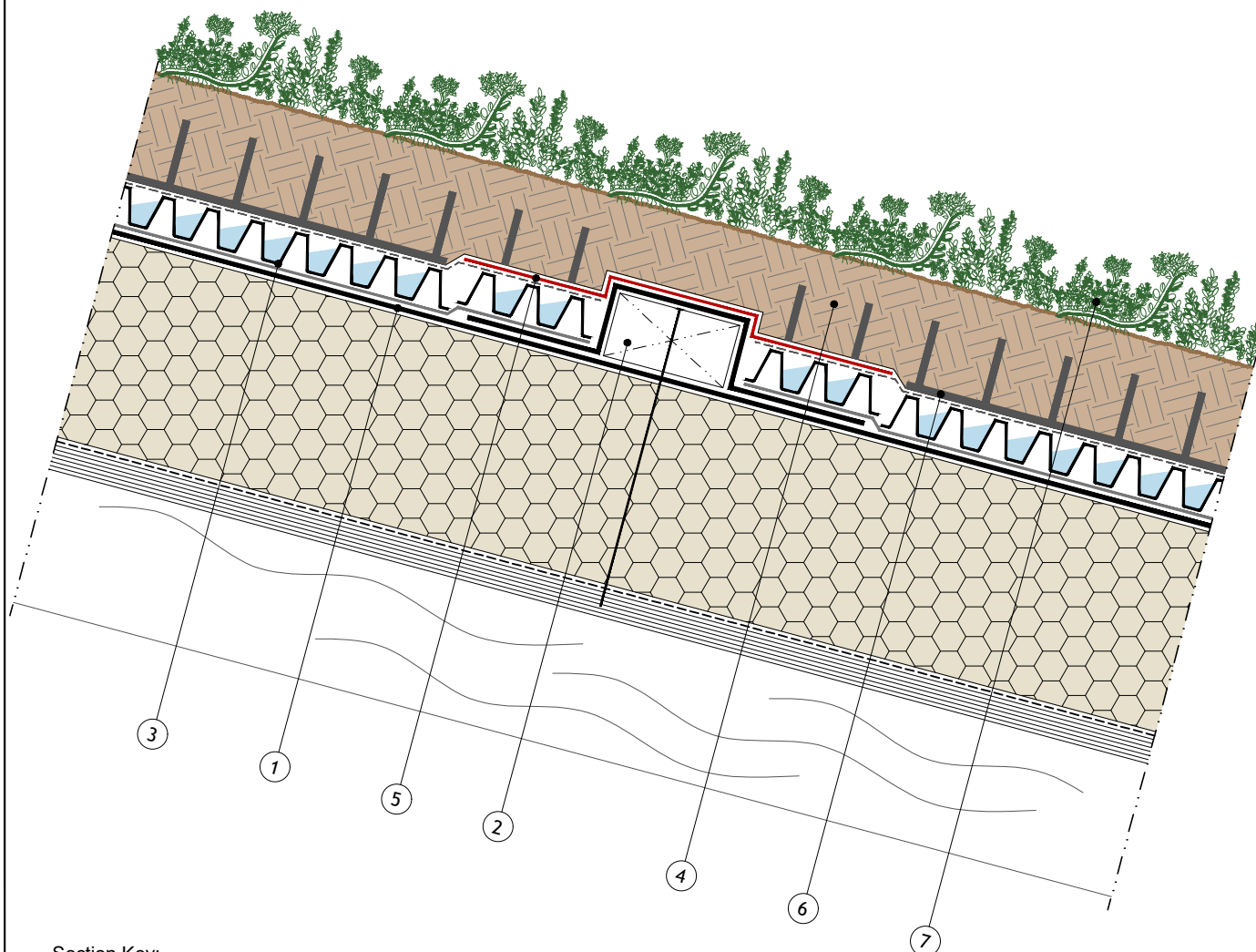
Scale:
Not to Scale

Revision:
A

Date:
January 2025

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This drawing is solely intended to illustrate the application of Blackdown products and systems to serve as a general guide and must be read in conjunction with the appropriate project specification. It may be necessary to modify this detail in whole or in part to meet specific construction and/or design requirements.



Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Hard edge thrust batten, mechanically fixed to deck and fully encapsulated in waterproofing.
Allow for circa. 200mm drainage gap between every batten.
3. Blackdown Drainage Layer, type subject to the pitch of the roof.
4. Blackdown Extensive Substrate.
5. Blackdown Upstand Fleece.
6. Blackdown Interlocking Substrate Retention Grid, type subject to depth of substrate.
7. Blackdown Extensive Planting, as specified by the appointed landscape consultant.

Timber thrust batten spacing is pitch dependant:
 - 20 to $\leq 30^\circ$ every 2m

N.B. Anti-shear measures are designed to suit the individual waterproofing system employed,
 contact Alumasc Roofing for further guidance.

Retention Grid



BLACKDOWN
 ROOF & PODIUM LANDSCAPING
 By Alumasc Roofing

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Title:
 Extensive Green Roof - Warm
 Pitch 20° to 30°

Drawing No:
 BLK W 06 02

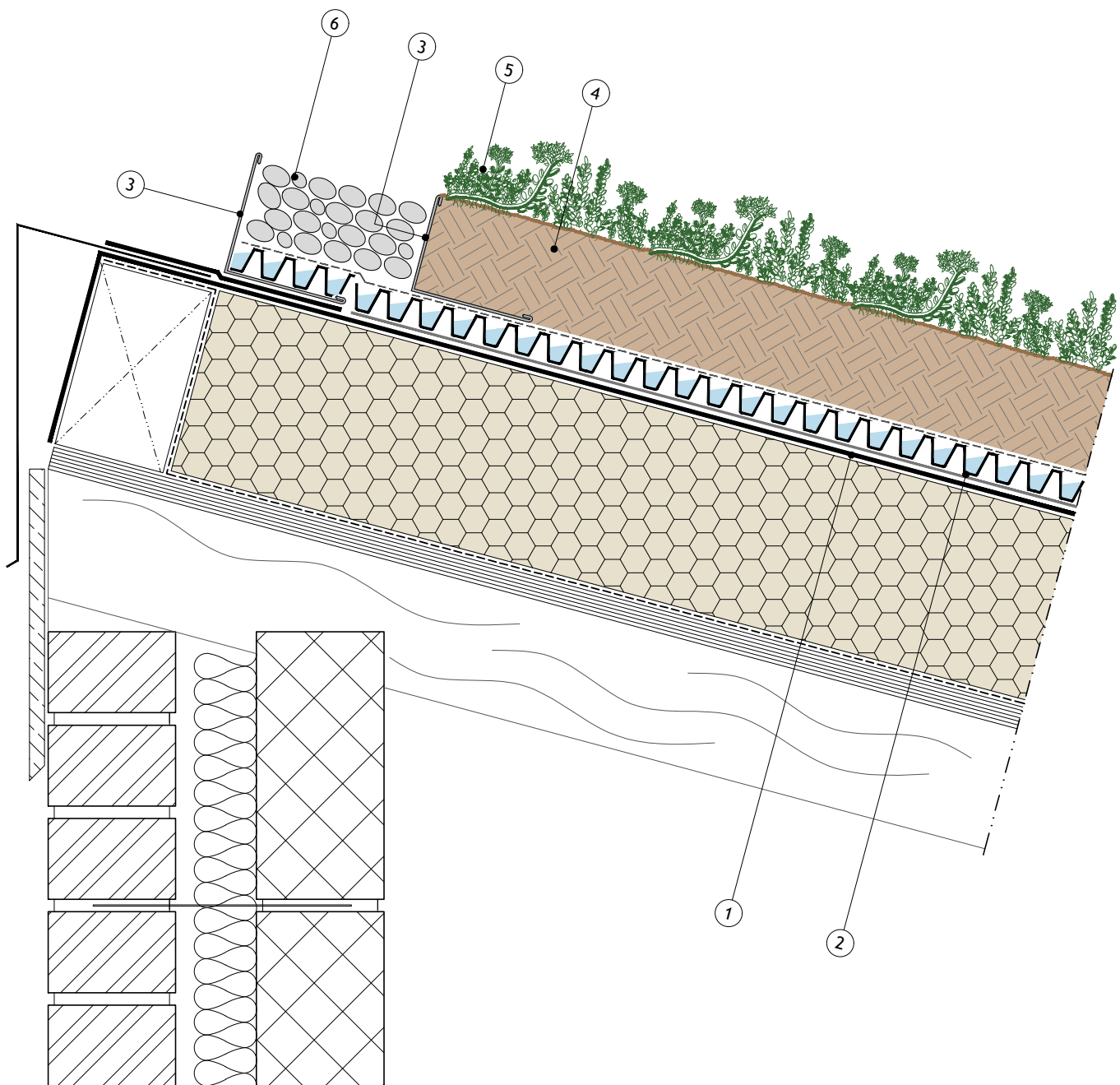
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Section Key:

1. Root resistant waterproofing system, drawing is indicative of Blackdown product offer only.
2. Blackdown Drainage Layer, type subject to the pitch of the roof.
3. Blackdown Retention Angle, metal edging to suit substrate depth.
4. Blackdown Extensive Substrate.
5. Blackdown Extensive Planting, as specified by the appointed landscape consultant.
6. Blackdown Washed Pebble Ballast 20/40mm, installed in accordance with current GRO recommendations.

N.B. Anti-shear measures are required for roof pitches $\geq 8^\circ$ to suit the individual waterproofing system employed, contact Alumasc Roofing for further guidance.

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 ROOF & PODIUM LANDSCAPING
 By Alumasc Roofing

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Title:
 Extensive Green Roof - Warm
 Pitched Ridge

Drawing No:
 BLK W 06 03

Scale:
 Not to Scale

Revision:
 A

Date:
 January 2026

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